

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231

#### REVOCATION AND POWER OF ATTORNEY

SIR:

The undersigned officer of Polycom, Inc., Assignee of record of the entire right, title and interest in and to the patents and patent applications listed in Schedule A, hereby revokes all prior powers of attorney previously appointed in the patents and patent applications listed in Schedule A, and hereby appoints the agents and/or attorneys associated with the customer number 22830 to prosecute these applications and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Please direct all communication relative to said patents and applications to the following correspondence address:

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Date: 1 November 2002

Jeffrey Rodman

Chief Technology Officer

Polycom, Inc.

1565 Barber Lane

Milpitas, CA 95035

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### STATEMENT UNDER 37 CFR 3.73(b)

Polycom, Inc., a Delaware Corporation and owner of PictureTel Corporation, states that it is the assignee of the entire right, title, and interest in the patents and patent applications identified in Schedule A by virtue of a chain of title from the inventors of each patent and patent application identified in Schedule A to the current assignee via the attached copy of the notice of assignment located at reel 012896 and frame 0291. All frame and reel numbers where these original assignments were recorded have been included along with the inventor and original assignee information.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date: /Nov 2002

Jeffrey Rodman

Chief Technology Officer

Polycom, Inc.

1565 Barber Lane

Milpitas, CA 95035

ar Becordation date: May 15, 2002	recoldanon date: May 13, 2002
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Patent No.	Patent No.   Serial No.	Title		Reel	Frame
	1	All Patents and Applications listed below	PictureTel Corp. to Polycom, Inc.	012896	0291
Patent No.	Serial No.	Title	Assignment	Reel	Frame
	7	Modular Video Conferencing System	Clapp, Craig S.K. & Brown, Gary Arthur to Picturetel Corp.	11950 0615	0615
	09/852.977	Video Coding Using Multiple Buffers	Gu, Qunshan to Picturetel Corp.	12035 0257	0257
	09/846,508	Filtering Artifacts From Multi-Threading	Gu, Qunshan to Picturetel Corp.	1232 0926	0926
6.357.028	6.357 028 09/272 792	Error Correction And Concealment During Data Transmission	Zhu, Qin-Fan to Picturetel Corp	9941	0821
	09/140,941	Adaptive Electronic Zoom Control	Malkin, Kenneth W. & Baxter, Larry K. to Picturetel Corp.	9413 0122	0122
		Electronic Pan Tilt Zoom Video Camera With Adaptive Edge	Malkin, Kenneth W.; Baxter, Larry K.; Taetzsch, Steven C.; Phelps,		
	09/141,057	Sharpening Filter	Daniel R. to Picturetel Corp.	9422	9422 0194
	09/389,170	Error Recovery Method For Video Compression Coding Using Multiple Reference Buffers And A Message Channel	Gu, Qunshan & Root, Timothy to Picturetel Corp.	10220 0027	0027
	09/645,369	Audio Conferencing System	Gerlovin, Mark W. & Chu, Peter L. to Picturetel Corp.	11440 0476	0476
	09/628 514	Multimedia Attachment Hub For A Video Conferencing System	Bernstein, Jeffrey G.; Clapp, Craig S.K.; Howell, Brian A. & Napoleone, Nunzio to Picturetel Corp.	11395 0693	0693
	09/495,134		Balakrishnan, Pradeep to Picturetel Corp.	10582 0303	0303
	09/079,840	Locating An Audio Source	Potts, Wang & Raabiner, Chu to Picturetel Corp.	9336	9336 0275
	08/964.324	Integrated Portable Videoconferencing	Forsberg, Jr. Roy W; Rock, Alam M; Hilssen, Dennis S.; Duckworth, Mark R. to Picture Tel Corp	8809	8809 0754
			Bernstein, Jeffrey G.; Sullivan, Gary J.: Comstock, Elizabeth M.; Kruger, William L.; Howell, Brian A.; Botzko, Stephen C.; Seiler,		
	09/556,359	Medio Role Management In A video Conferencing Network	Robert V. to Picturetel Corp.	11206 0076	9200
5,550,924	5,550,924 08/402,550	Reduction of Background Noise for Speech Enhancement	Helf, Brant M. & Chu, Peter L. to Picturetel	7451	7451 0623
5,374,971	5,374,971 08/030,845	Two-View Video Camera Stand and Support Method	Clapp, Craig S. K. & Duys, Anthony M. to Picturetel	6463	6463 0681
4,816,914	4,816,914 07/001,326	Method and Apparatus for Efficiently Encoding and Decoding Image Sequences	S. Staffan Ericsson to Pictel	4693	4693 0637
4 849 810	4 849 810 07/057 964	A Hierarchical Encoding Method and Apparatus for Efficiently Communicating Image Sequences	S. Staffan Ericsson to Picturetel	4760	4760 0020
		Method and Apparatus Employing Adaptive Filtering For Efficiently	<b>!</b>		
4,794,455	4,794,455 07/175,661	Communicating Image Sequences	Ericsson, S. Staffan to Picturetel	4696	4696 0807
5,150,209	5,150,209 07/698,396	Hierarchical Entropy Coded Lattice Threshold Quantization	Girod, Bernd to 501 Picturetel Corp	5531	5531 0153
5,317,672	5,317,672,07/847,710	Variable Bit Rate Speech Encoder	Crossman, Antony H. & Thompson, Edmund S. to Picturetel	6131	6131 0876
5,155,594	5,155,594 07/697,973	Hierachical Encoding Method And Apparatus Employing Background References for Efficiently Communicating Image Sequences	Bernstein, Jeffrey; Girod, Bernd; Yuan, Xiancheng to 501 Picturetel Corp	5407	5407 0969
5.263.019	5.263.019.07/837.729	Method And Apparatus For Estimating The Level Of Acoustic Feedback between a Loudspeaker and Microphone	Chu, Peter L. to Picturetel Corp.	6020	6020 0053

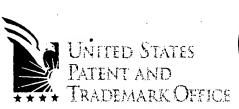
Datent No   Serial No	i	Title	Assignment	Reel	Frame
5 305 307 (	1 ~	tive Acoustic Echo Canceller Having Means for Reducing or nating Echo in a Plurality of Signed Bandwidths	Chu, Peter L. to Picturetel Corp.	5616 0040	0040
5 644 660	5 644 660 07/865 319	Method And Apparatus For Efficiently Transmitting Forecedupdates in A Moving Picture Code	Bruder, John E. to Picturetel	6153 0109	9010
5,283,646 07/866027	07/866027	Quantizer Control Method And Apjparatus	Bruder, John E. to Picturetel	6161 0199	199
267 295	150 938/VO 385 C31	Method And Apparatus For Processing Block Coded Image Data To Beduce Roundary Artifacts Between Adjacent Image Blocks	Yuan. Xianchena to Picturetel	6150 0578	929
5,664,021	5.664 021 08/132.032	Microphone System For Teleconferencing System	Chu, Peter Lee & Barton, William F. to Picturetel	6823	0714
5,787,183	П	Microphone System For Teleconferencing System	Chu, Peter Lee & Barton, William F. to Picturetel	6823	6823 714-716
5,742,346	Ţ	Spatially Adaptive Blur Filter	Sievers, John C. & Bruder, John E. to Picturetel	7292 0812	3812
5,767,897	5,767,897 08/332,097	Video Conferencing System	Howell, Brian A. to Picturetel	7382 044	244
4.703.350	<u> </u>	Method And Apparatus For Efficiently Communicating Image Sequences	Hinman, Brian L. to 501 Pitel Corp(spelling error)	4415 0982	1982
4 797 499	4 727 422 06/740 897	Method And Apparatus For Efficiently Communicating Image Sequences Having Improved Motion Compensation	Hinman, Brian L. to 501 Pictel Corp	4414 0143	0143
4 661 849	4 661 849 06/740 900	Method And Apparatus For Providing Motion Estimation Signals For Communicating Image Sequences	Hinman, Brian L. & Kane, Michael D. to 501 Pictel Corp	4414 0142	0142
4 703 349	4 703 349 06/713 478	Method And Apparatus For Multi-Dimentional Signal Processing Using A Short-Space Fourier Transform	Bernstein, Jeffrey G. to 501 Pictel Corp	4387 0295	0295
4 754 400	4 754 409 06/740 BDE	Method And System For Adapting A Digitized Signal Processing System For Block Processing With Minimal Blocking Artifacts	Maivar. Henrique S. to 501 Pictel Corp	4416 0296	0296
D368 478	29/034 158	Video Conferecina Keypad	Bernstein, Jeffrey G. & Beck, Benjamin J. to Picturetel Corp.	7522 0737	0737
Т	29/040,801	Remotely Controlled Camera	Beck, Benjamin J. & Duys, Anthony M. to Picturetel Corp.	7583 0667	0667
5 633 681	08/398.546	Electronically Controlled Camera Positioning System	Baxter, Larry K.; Phelps, Daniel R.; Duys, Anthony M.; Labuski, Frank to Picturetel Corp.	7442 0940	0940
5,486,853	5,486,853 08/355,036	Electronic Cable Interface For Electronic Camera	Baxter, Larry K. & Coffey, John J. to Picturetel Corp	7284 0010	0010
5.821.986	5.821,986 08/333,755	Method And Apparatus For Visual Communications In A Scalable Network Environment	Yuan, Xiancheng & Bace, Matthew M. to Picturetel Corp.	7233 0356	0356
D372,918	29/037,497	Speaker Enclosure	Manganese, Michael A.& Wolf, Maximilian to Picturetel Corp	7443 0196	0196
5.715.319	5.715.319 08/657.696	Method And Apparatus For Steerable And Endfire Superdirective Microphone Arrays With Reduced Analog-to-Digital Converter And Computational Requirements	Chu, Peter L. to Picturetel	8082 0465	0465
5.805.739	5.805.739.08/631.644	Lapped Orthogonal Vector Quantization	Malvar, Henrique S.; Sullivan, Gary J.; & Wornell, Gregory W. to Picturetel Corp.	8035 0837	0837
D394 255	29/060 863	Integral Videoconferencing System	Napoleone, Nunzio; Coleman, Stephen A.;DeSimone, Kendra J. to Picturetel corp	8300	8300 0915
	29/064,655	Directional Mircrophone	Woodman, Edward C.; Potts, Steven L; Reed, Adam; Siggelkoe, Russell; Wang, Hong	8605	8605 0053

Patents and patent applications now owned by Polycom, Inc. through recorded merger. Recordation date: May 15, 2002



Patent No.   Serial No.	Serial No.	Title	Assignment	Reel Fr	Frame
		Pseudo-Random Number Generator Capable of Efficiently Exploiting Processors Having Instrucion-Level Parallelism And The			
5,983,252	5,983,252 09/007,944	Use Thereof For Encryption	Clapp, Craig S. K. to Picturetel Corp	9252 0147	47
6,141,597	6,141,597 08/925,309	Audio Processor	Botzko, Stephen C. & Franklin, David M. to Picturetel Corp	8992 0212	212
5,983,192	5,983,192 08/729,183	Audio Processor	Botzko, Stephen C. & Franklin, David M. to Picturetel Corp	8992 0212	212
		W-Bit Non-Linear Combiner for Pseudo-Randon Number			
5,943,248	5,943,248 08/914,668	Generation	Clapp, Craig S.K. to Picturetel Corp	9022 0018	918
5,987,131	5,987,131 08/914,384	Cryptogrphic Key Exchange Using Pre-Computation	Clapp, Craig S.K. to Picturetel Corp	9909 0004	8
1		Low Delay Real Time Digital Video Mixing For Multipoint Video			
6,285,661	6.285,661 09/014,942	Conferencing	Zhu, Qin-Fan & Kerofsky, Louis J. to Picturetel Corp	9004 0469	169
			Beck, Benjamin J.; Duys, Anthony M.; Labuski, Frank to Picturetel		
D446,531	29/099,157	Video Camera	Corp.	10000 0103	103
6,240,140	6,240,140 09/028,714	Channel Aggregation Having Low Latency And Overhead	Lindbergh, David J. & Bernstein, Jeffrey G. to Picturetel Corp.	9355 0803	833
		method and apparatus employing adaptive filtering for efficiently			
5,001,560	5,001,560 07/289,375	communicating image sequences	Ericsson, S. Staffan to Picturetel	4696 0807	8
		Variable length coding using a plurality of region bit allocation			
5,924,064	5,924,064 08/726,959	patterns	Helf, Brant M. Picturetel Corp.	8281 0146	146
5,664,057	5,664,057 08/416,525	Fixed Bit Rate Speech Encoder/Decoder	no assignment in file 416525, 08/088309 not on list, not in box		
5.778.082	08/663.670	5.778.082 08/663.670 Method And Apparatus For Localization Of An Acoustic Source	no US docket SDAC-P-050 box 13(only PCT)		
20010	2 12 12 12 12				

Patents and patent applications now owned by Polycom, Inc. through recorded merger. Recordation date: May 15, 2002





JULY 18, 2002

**PTAS** 

Chief Information Officer Washington, DC 20231 www.uspto.gov

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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BRIEF: MERGER (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PICTURETEL CORPORATION

DOC DATE: 05/24/2001

ASSIGNEE:

POLYCOM, INC. 1565 BARBER LANE MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 08088052

PATENT NUMBER:

FILING DATE: 07/07/1993

ISSUE DATE:

SERIAL NUMBER: 09834325

PATENT NUMBER:

FILING DATE: 04/13/2001

ISSUE DATE:

SERIAL NUMBER: 09852977

FILING DATE: 05/10/2001

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SERIAL NUMBER: 09846508

FILING DATE: 05/01/2001

PATENT NUMBER:

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PATENT NUMBER: 5150209

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PATENT NUMBER: 5317672

SERIAL NUMBER: 09272792 FILING DATE: 03/19/1999 PATENT NUMBER: 6357028 ISSUE DATE: 03/12/2002 SERIAL NUMBER: 09140941 FILING DATE: 08/27/1998 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09141057 FILING DATE: 08/27/1998 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09238026 FILING DATE: 01/26/1999 PATENT-NUMBER: ISSUE DATE: SERIAL NUMBER: 09389170 FILING DATE: 09/02/1999 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09645369 FILING DATE: 08/24/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09628514 FILING DATE: 07/31/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09495134 FILING DATE: 01/31/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09079840 FILING DATE: 05/15/1998 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 08964324 FILING DATE: 11/05/1997 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09556359 FILING DATE: 04/24/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 08402550 FILING DATE: 03/13/1995 ISSUE DATE: 08/27/1996 PATENT NUMBER: 5550924 SERIAL NUMBER: 08030845 FILING DATE: 03/12/1993 PATENT NUMBER: 5374971 ISSUE DATE: 12/20/1994 SERIAL NUMBER: 07001326 FILING DATE: 01/07/1987 PATENT NUMBER: 4816914 ISSUE DATE: 03/28/1989 SERIAL NUMBER: 07057964 FILING DATE: 06/02/1987 PATENT NUMBER: 4849810 ISSUE DATE: 07/18/1989 SERIAL NUMBER: 07175661 FILING DATE: 03/21/1988 PATENT NUMBER: 4794455 ISSUE DATE: 12/27/1988 SERIAL NUMBER: 07698396 FILING DATE: 05/10/1991

ISSUE DATE: 09/22/1992

FILING DATE: 03/04/1992

ISSUE DATE: 05/31/1994.

FILING DATE: 05/10/1991 SERIAL NUMBER: 07697973 ISSUE DATE: 10/13/1992 PATENT NUMBER: 5155594 FILING DATE: 02/19/1992 SERIAL NUMBER: 07837729 TSSUE DATE: 11/16/1993 PATENT NUMBER: 5263019 FILING DATE: 02/21/1991 SERIAL NUMBER: 07659579 ISSUE DATE: 04/19/1994 PATENT NUMBER: 5305307 FILING DATE: 04/09/1992 SERIAL NUMBER: 07865319 ISSUE DATE: 07/01/1997 PATENT NUMBER: 5644660 FILING DATE: 04/09/1992 SERIAL NUMBER: 07866027 ISSUE DATE: 02/01/1994 PATENT NUMBER: 5283646 FILING DATE: 05/07/1992 SERIAL NUMBER: 07866031 ISSUE DATE: 11/22/1994 PATENT NUMBER: 5367385 FILING DATE: 10/05/1993 SERIAL NUMBER: 08132032 ISSUE DATE: 09/02/1997 PATENT NUMBER: 5664021 FILING DATE: 12/06/1996 SERIAL NUMBER: 08761349 ISSUE DATE: 07/28/1998 PATENT NUMBER: 5787183 FILING DATE: 08/09/1994 SERIAL NUMBER: 08287686 ISSUE DATE: 04/21/1998 PATENT NUMBER: 5742346 FILING DATE: 10/31/1994 SERIAL NUMBER: 08332097 ISSUE DATE: 06/16/1998 PATENT NUMBER: 5767897 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740898 ISSUE DATE: 10/27/1987 PATENT NUMBER: 4703350 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740897 ISSUE DATE: 02/23/1988 PATENT NUMBER: 4727422 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740900 ISSUE DATE: 04/28/1987 PATENT NUMBER: 4661849 FILING DATE: 03/19/1985 SERIAL NUMBER: 06713478 PATENT NUMBER: 4703349 ISSUE DATE: 10/27/1987 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740806 ISSUE DATE: 06/28/1988 PATENT NUMBER: 4754492 FILING DATE: 02/06/1997 SERIAL NUMBER: 29066171 ISSUE DATE: 01/06/1998 PATENT NUMBER: D388721 FILING DATE: 01/27/1995 SERIAL NUMBER: 29034158 ISSUE DATE: 04/02/1996 PATENT NUMBER: D368478 FILING DATE: 06/27/1995 SERIAL NUMBER: 29040801 ISSUE DATE: 09/24/1996 PATENT NUMBER: D374023

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SERIAL PATENT	NUMBER: NUMBER:	08398546 5633681		FILING DATE: 03/06/1995 ISSUE DATE: 05/27/1997	
SERIAL	NUMBER:	08355036 5486853		FILING DATE: 12/13/1994 ISSUE DATE: 01/23/1996	
SERIAL PATENT	NUMBER:	08333755 5821986	i.	FILING DATE: 11/03/1994 ISSUE DATE: 10/13/1998	
				FILING DATE: 04/14/1995 ISSUE DATE: 08/20/1996	
SERIAL		08657636 5715319		FILING DATE: 05/30/1996 ISSUE DATE: 02/03/1998	
SERIAL	NUMBER:	08631644		FILING DATE: 04/02/1996 ISSUE DATE: 09/08/1998	
		5805739 29060863		FILING DATE: 10/09/1996	
SERIAL	NUMBER:	29064655	•	FILING DATE: 01/08/1997	
		D389839		ISSUE DATE: 01/27/1998	
PATENT	NUMBER:			FILING DATE: 01/16/1998 ISSUE DATE: 11/09/1999	
		08925309 6141597		FILING DATE: 09/08/1997 ISSUE DATE: 10/31/2000	
		08729183 5963192		FILING DATE: 10/11/1996 ISSUE DATE: 10/05/1999	
-		08914668 5943248	·	FILING DATE: 08/18/1997 ISSUE DATE: 08/24/1999	
SERIAL PATENT	NUMBER:	08914384 5987131		FILING DATE: 08/18/1997 ISSUE DATE: 11/16/1999	
	NUMBER:	09014942 6285661		FILING DATE: 01/28/1998 ISSUE DATE: 09/04/2001	
		29099157 D446531		FILING DATE: 01/14/1999 ISSUE DATE: 08/14/2001	
	NUMBER:	09028714 6240140		FILING DATE: 02/24/1998 ISSUE DATE: 05/29/2001	
SERIAL	NUMBER:	07289375		FILING DATE: 12/23/1988 ISSUE DATE: 03/19/1991	
	NUMBER:	08726959		FILING DATE: 10/07/1996	
PATENT	NUMBER:	5924064		ISSUE DATE: 07/13/1999	

SERIAL NUMBER: 08416525 PATENT NUMBER: 5664057

SERIAL NUMBER: 08663670 PATENT NUMBER: 5778082

FILING DATE: 04/03/1995 ISSUE DATE: 09/02/1997

FILING DATE: 06/14/1996 ISSUE DATE: 07/07/1998

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS